

WHAT IS CLAIMED IS:

1. An electrical connector comprising:
a plug including a threaded sleeve, the threaded sleeve including an external thread having at least one threadless area; and
a socket connectable to the plug and including a union nut, the union nut including an internal thread configured for threaded engagement with the external thread of the plug;
wherein the internal thread of the union nut is configured to be received by the at least one threadless area and tightened onto the external thread.
2. The electrical connector as recited in claim 1 wherein the at least one threadless area includes a plurality of threadless areas and wherein the internal thread includes a plurality of threaded areas matching the threadless areas.
3. The electrical connector as recited in claim 1 wherein the at least one threadless area includes a plurality of threadless areas and wherein the internal thread includes a plurality of threaded areas matching the threadless areas, the threadless areas and the matching threaded areas being disposed at a respective same angle relative to a respective axial connector axis of the plug and the socket.
4. The electrical connector as recited in claim 2 wherein the threaded areas are disposed in an even distribution at a circumference of the threaded sleeve.
5. The electrical connector as recited in claim 3 wherein the threaded areas are disposed in an even distribution at a circumference of the threaded sleeve
6. The electrical connector as recited in claim 2 wherein the threadless areas and the matching threaded areas are disposed in an uneven distribution at a respective circumference of the threaded sleeve and the union nut.

7. The electrical connector as recited in claim 3 wherein the threadless areas and the matching threaded areas are disposed in an uneven distribution at a respective circumference of the threaded sleeve and the union nut.

8. The electrical connector as recited in claim 4 wherein the threadless areas and the matching threaded areas have a respective different length in a circumferential direction so that a full revolution is required for disengaging a connection of the plug and socket.

9. The electrical connector as recited in claim 5 wherein the threadless areas and the matching threaded areas have a respective different length in a circumferential direction so that a full revolution is required for disengaging a connection of the plug and socket.

10. The electrical connector as recited in claim 6 wherein the threadless areas and the matching threaded areas have a respective different length in a circumferential direction so that a full revolution is required for disengaging a connection of the plug and socket.

11. The electrical connector as recited in claim 7 wherein the threadless areas and the matching threaded areas have a respective different length in a circumferential direction so that a full revolution is required for disengaging a connection of the plug and socket.

12. The electrical connector as recited in claim 1 wherein the external thread includes a respective individual first thread on each side of the at least one threadless area, the individual first threads being aligned with each other.

13. The electrical connector as recited in claim 12 wherein:
the internal thread includes respective individual second threads; and
the individual first and second threads each have a respective chamfer at a start of the respective thread so as to enable an easier insertion of a counterthread area when tightening the internal thread onto the external thread.

14. The electrical connector as recited in claim 12 wherein:

the internal thread includes respective individual second threads; and

the individual first and second threads each include a respective sharp edge at an end of the respective thread so as to prevent turning past a tangential removal position when unscrewing the internal thread from the external thread.

15. The electrical connector as recited in claim 14 wherein the plug and the socket are configured so that an O-ring seal disposed between the plug and the socket causes at least one of the plug and the socket to be lifted slightly out of a respective flight of the internal or external thread so as to prevent a turning of the internal or the external thread past a tangential removal position.

16. An electrical connector comprising:

a plug including a threaded sleeve, the threaded sleeve including an external thread having at least one threadless area; and

a socket connectable to the plug and including a union nut, the union nut including an internal thread configured for threaded engagement with the external thread of the plug, the internal thread not having a threadless area.

17. An electrical connector comprising:

a plug including a threaded sleeve, the threaded sleeve including an external thread not having a threadless area; and

a socket connectable to the plug and including a union nut, the union nut including an internal thread configured for threaded engagement with the external thread of the plug, the internal thread having at least one threadless area.

18. An electrical connector comprising:

a plug including a threaded sleeve, the threaded sleeve including an external thread having at least one threadless area; and

a socket disposed in a stationary housing component and connectable to the plug, the socket including an internal thread configured for threaded engagement with the external thread of the plug;

wherein the internal thread of the socket is configured to receive the at least one threadless area for tightening the external thread onto the internal thread.

19. The electrical connector as recited in claim 18 wherein the at least one threadless area includes a plurality of threadless areas and wherein the internal thread includes a plurality of threaded areas matching the threadless areas.

20. The electrical connector as recited in claim 18 wherein the at least one threadless area includes a plurality of threadless areas and wherein the internal thread includes a plurality of threaded areas matching the threadless areas, the threadless areas and the matching threaded areas being disposed at a respective same angle relative to a respective axial connector axis of the plug and the socket.